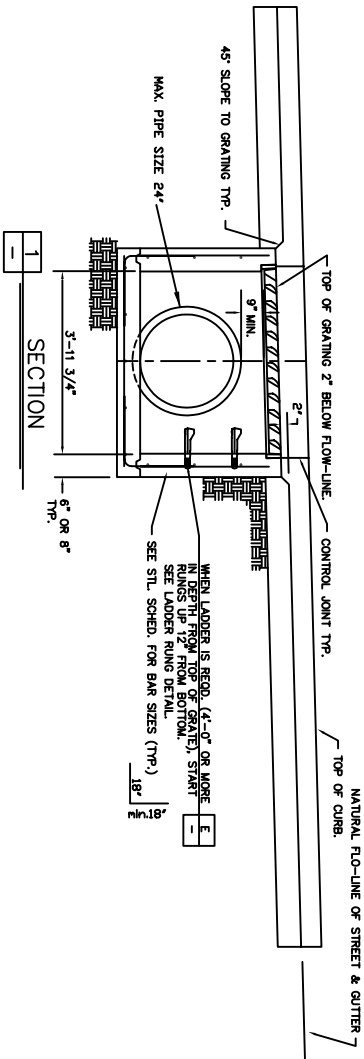
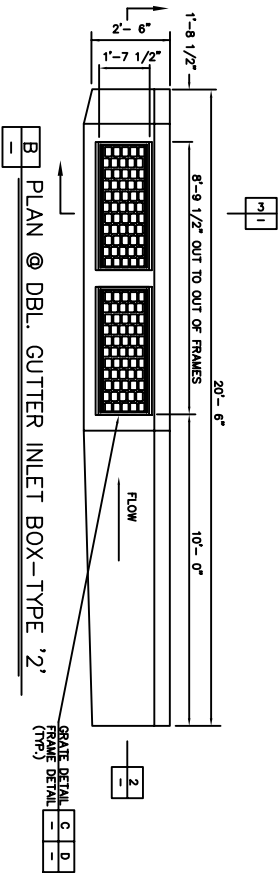


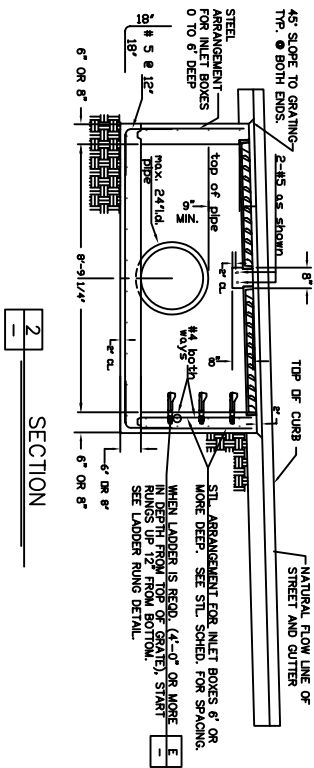
A PLAN @ SINGLE GUTTER INLET BOX-TYPE '1'



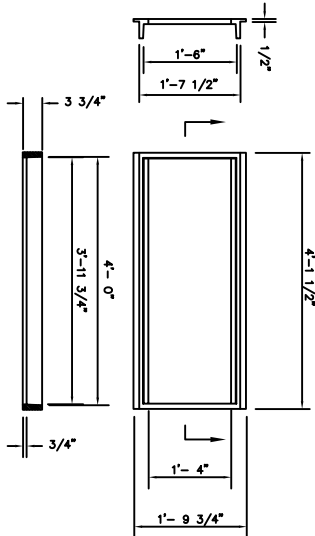
1 SECTION



B PLAN @ DBL. GUTTER INLET BOX-TYPE '2'

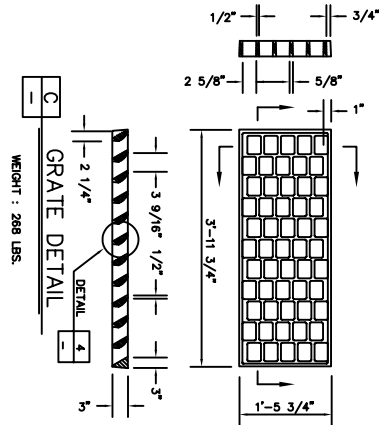


2 SECTION



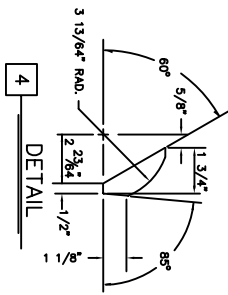
D FRAME DETAIL

WEIGHT : 160 LBS

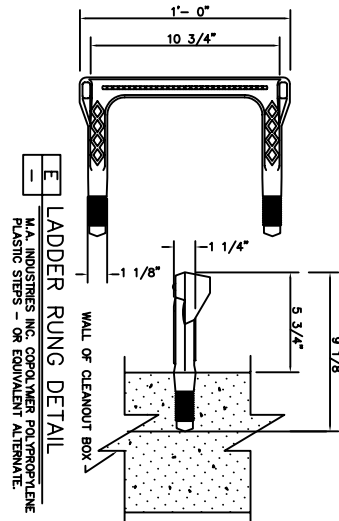


C GRATE DETAIL

WEIGHT : 268 LBS.



4 DETAIL

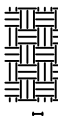


E LADDER RUNG DETAIL

M.A. INDUSTRIES INC. CONCRETE POLYPROPYLENE FIBER STEPS - OR EQUIVALENT ALTERNATE.

NOTES:

1. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE 40.
2. ALL CONCRETE SHALL BE CLASS AA(A/E).
3. PIPE SIZES AND LOCATIONS WILL BE SHOWN ON OTHER DWGS, INCL. FLO-LINE ELYS.
4. IF ALLOWED BY ENGINEER, MAX SIZE OF R.C.P. APPROACHING BY THE SIDES IS 18", 22"x15" STL PIPE ARCH & 21" DIA C.M.P. IN BOX TYPES 1 & 2.
5. FORMING BOTH SIDES OF WALLS IS REQD.
6. CONTRACTOR'S OPTION TO CUT STEEL IN FIELD.
7. ALL STEEL SHALL HAVE A MIN. OF 2" CONCRETE COVER.
8. GREY IRON CASTING: ASTM A48 CLASS 35 H-20
9. GRATE MANUFACTURER: D & L SUPPLY MODEL L-1803 OR EQUAL.
10. 2" x 4" SHEAR KEY REQUIRED BOTH WAYS.



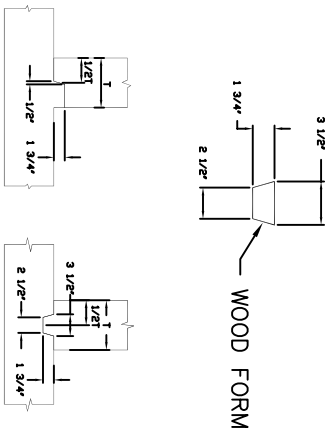
INDICATES 96% COMPACTION.



INDICATES CLASS AA(A/E) CONCRETE.

| STEEL SCHEDULE | | | WALL THICKNESS |
|----------------|--------------|--------------|----------------|
| HEIGHT | VERT. STL. | HORIZ. STL. | |
| 0'-4' | #3 @ 12"O.C. | #3 @ 12"O.C. | 6" WALL |
| 4'-6' | #4 @ 12"O.C. | #4 @ 12"O.C. | 6" WALL |
| 6'-8' | #5 @ 12"O.C. | #4 @ 12"O.C. | 8" WALL |
| 8'-10' | #5 @ 12"O.C. | #4 @ 12"O.C. | 8" WALL |
| 10'-12' | #5 @ 12"O.C. | #4 @ 12"O.C. | 8" WALL |

- NOTE:
- 1) INSIDE FACE BARS TO BE STAGGERED W/OUTSIDE FACE BARS.
 - 2) USE DOUBLE CURTAIN REINF. FOR INLET BOXES 6'-8" OR MORE DEEP.



SHEAR KEY DETAILS



| NO. | AUTHORIZED BY | REVISIONS | DATE |
|-----|---------------|-------------|---------|
| 1. | RSS | NOTE CHANGE | 4-24-08 |

STANDARD PLAN
CS-02
SINGLE AND DOUBLE CURB INLET
BOX WITH BICYCLE SAFE GRATING